

## ABSTRACT

A system and method of sensing multiple parameters. The method may include implanting an implantable sensor in a patient and reading an output from at least one of the implantable sensing elements. The implantable sensor may have a housing within which are disposed a plurality of implantable sensing elements. At least one of the implantable sensing elements may respond to lactate. In addition, a medical professional may administer to the patient for myocardial ischemia, myocardial infarction angina, sepsis based on the output read. A medical professional may also administer to the patient having an implantable cardiovascular defibrillator or who is receiving extracorporeal membrane oxygenation. The method may be used in a surgical or intensive care environment.